

***Valid Time Event Code:***

***An Aid To The Delivery of NWS Text Products***

# **Implementation Plan**

Office of Climate/Water/Weather Services

January 2003

## ***Valid Time Event Code: An Aid To The Delivery of NWS Text Products***

Document Changes for January 2003:

Modifications were made to the UGC and/or VTEC lines in the following examples:

- 1) Appendix A; Sections 1.1, 1.2, 1.3, 1.4, 2.5 (Purpose I, II, III, IV, V).
- 2) Appendix B; Sections 3 & 6.
- 3) Appendix C; Section 1.

Document Changes for December 2002:

- 1) Updated VTEC Implementation dates
- 2) Added Appendices with detailed examples
- 3) Removed detailed format specifications and referenced Instruction 10-1703.

Document changes for March 2002:

- 1) Updated VTEC Implementation dates
- 2) Added Appendix D: Special Requirements for VTEC within marine products (includes VTEC coding examples).
- 3) Updated examples to include final VTEC date/time group code.

Document changes for August 2001:

- 1) Changed implementation dates
- 2) Noted upcoming changes in VTEC format for the date/time group to include month, year
- 3) Noted change to methodology for assigning the Event Tracking Number

### **Description of VTEC Elements**

VTEC is a code which will describe the content (what/where) of watches/warnings/advisories. This complements the UGC string, which describes the impacted geography (counties/zones). VTEC permits selective dissemination and reception of NWS text products. The code string is located on the line(s) directly below the UGC.

See draft NWS Instruction 10-1703 for complete VTEC documentation.

Implementation of VTEC within text products:

**October/November 2003 (AWIPS version OB2).**

#### Public Products:

Severe thunderstorm Warning (SVR)

Tornado Warnings (TOR)

Winter Storm watches/warnings/advisories (product category WSW )

Non-Precipitation watches, warnings, advisories (NPW)  
Severe Weather Statement (SVS)  
Watch County Notification (WCN)

Fire weather:

Red Flag Warnings, Fire Weather Watch (RFW)  
Fire Danger Statements (RFD)

Marine products:

a) Routine:

Coastal Waters Forecast (CWF)  
Nearshore Waters Forecast (NSH)  
Open Lakes Forecast (GLF)  
Offshore Waters Forecast (OFF)

b) Event Driven:

Special Marine Warnings (SMW)  
Marine Weather Statements (MWS)  
Coastal Flood Watches/Warnings/Statements (CFW)  
Lakeshore Flood Warnings and Statements (LSH)

Hydrologic products:

Flood Watches (FFA)  
Flash Flood Warnings (FFW)  
Flood Warning (FLW)  
Flash Flood Statements (FFS)  
Flood Statements (FLS)  
Flood Potential Outlooks (ESF)

## APPENDIX A - Examples of VTEC in Public Products

### 1. VTEC in WSW/NPW/Fire Weather Products

#### 1.1 Upgrade Watch to Warning example.

OKZ006>008-011>024-033>036-TXZ083-281100-

**/UPG.KOKC.WS.A.0004.010128T0500Z-010129T0000Z/**

**/NEW.KOKC.IS.W.0003.010128T0500Z-010129T0000Z/**

ALFALFA OK-BECKHAM OK-BLAINE OK-CADDO OK-CANADIAN OK-CUSTER OK-  
DEWEY OK-GARFIELD OK-GRANT OK-GREER OK-HARDEMAN TX-HARMON OK-  
JACKSON OK- KAY OK-KINGFISHER OK- KIOWA OK- LOGAN OK-MAJOR  
OK-NOBLE OK-PAYNE OK-ROGER MILLS OK-WASHITA OK-

INCLUDING THE CITIES OF....ALTUS OK...CLINTON/WEATHERFORD OK...ELK CITY  
OK...EL RENO OK...ENID OK...GUTHRIE OK...HOBART OK...PONCA CITY OK...  
STILLWATER OK

1030 PM CST SAT JAN 27 2001

...ICE STORM WARNING IN EFFECT UNTIL 6 PM CST SUNDAY...

AN ICE STORM WARNING IS IN EFFECT FOR MOST OF OKLAHOMA TO THE  
NORTHWEST OF INTERSTATE 44. PERIODS OF FREEZING RAIN... POSSIBLY  
MIXED AT TIMES WITH SLEET OR SNOW...WILL DEVELOP TONIGHT AND  
CONTINUE THROUGH SUNDAY. A FEW THUNDERSTORMS PRODUCING HEAVIER  
FREEZING RAIN... SLEET OR SNOW ARE ALSO POSSIBLE. THE PRECIPITATION MAY  
GRADUALLY TRANSITION TO MORE OF A SNOW/SLEET MIXTURE SUNDAY... AND  
EVENTUALLY ALL SNOW SUNDAY NIGHT. DANGEROUS TOTAL STORM  
ACCUMULATION OF ICE AND SLEET FROM 1 TO 2 INCHES IS EXPECTED BY  
SUNDAY NIGHT.

PEOPLE ARE URGED TO BE PREPARED FOR PROLONGED POWER OUTAGES AND  
TREACHEROUS TRAVEL CONDITIONS. IF YOU MUST TRAVEL...ALLOW EXTRA  
TIME TO REACH YOUR DESTINATION... LET SOMEONE KNOW YOUR TRAVEL  
PLANS...AND CARRY A CELLULAR PHONE IF YOU HAVE ONE.

#### 1.2 Downgrade from Warning to Advisory example.

OKZ006>008-011>024-033>036-TXZ083-281700-

**/CAN.KOKC.IS.W.0004.000000T0000Z-010129T0000Z/**

**/NEW.KOKC.ZR.Y.0003.010128T1100Z-010129T0000Z/**

ALFALFA OK-BECKHAM OK-BLAINE OK-CADDO OK-CANADIAN OK-CUSTER OK-  
DEWEY OK-GARFIELD OK-GRANT OK-GREER OK-HARDEMAN TX-HARMON OK-  
JACKSON OK- KAY OK-KINGFISHER OK- KIOWA OK- LOGAN OK-MAJOR  
OK-NOBLE OK-PAYNE OK-ROGER MILLS OK-WASHITA OK-

INCLUDING THE CITIES OF....ALTUS OK...CLINTON/WEATHERFORD OK...ELK CITY  
OK...EL RENO OK...ENID OK...GUTHRIE OK...HOBART OK...PONCA CITY OK...  
STILLWATER OK  
400 AM CST SUN JAN 28 2001

...FREEZING RAIN ADVISORY IN EFFECT UNTIL 6 PM CST SUNDAY...  
...ICE STORM WARNING HAS BEEN CANCELLED...

1.3 Replace Ice Storm Warning with Winter Storm Warning example.

OKZ006>008-011>024-033>036-TXZ083-281630-  
/CAN.KOKC.IS.W.0003.000000T0000Z-010129T0000Z/  
/NEW.KOKC.WS.W.0005.010128T1030Z-010129T0000Z/  
ALFALFA OK-BECKHAM OK-BLAINE OK-CADDO OK-CANADIAN OK-CUSTER OK-  
DEWEY OK-GARFIELD OK-GRANT OK-GREER OK-HARDEMAN TX-HARMON OK-  
JACKSON OK- KAY OK-KINGFISHER OK- KIOWA OK- LOGAN OK-MAJOR  
OK-NOBLE OK-PAYNE OK-ROGER MILLS OK-WASHITA OK-

INCLUDING THE CITIES OF....ALTUS OK...CLINTON/WEATHERFORD OK...ELK CITY  
OK...EL RENO OK...ENID OK...GUTHRIE OK...HOBART OK...PONCA CITY OK...  
STILLWATER OK  
430 AM CST SUN JAN 28 2001

...WINTER STORM WARNING IN EFFECT UNTIL 6 PM CST SUNDAY...

A MIXTURE OF FREEZING RAIN... SLEET AND SNOW WILL CONTINUE THROUGH  
TODAY. DANGEROUS TOTAL STORM ACCUMULATION OF ICE AND SLEET FROM 1  
TO 2 INCHES IS EXPECTED BY SUNDAY NIGHT.

PEOPLE ARE URGED TO BE PREPARED FOR PROLONGED POWER OUTAGES AND  
TREACHEROUS TRAVEL CONDITIONS. IF YOU MUST TRAVEL...ALLOW EXTRA  
TIME TO REACH YOUR DESTINATION... LET SOMEONE KNOW YOUR TRAVEL  
PLANS...AND CARRY A CELLULAR PHONE IF YOU HAVE ONE.

1.4 Combination of Actions. The order of segments is (1) Cancellation, (2) Warnings, (3)  
Advisories, (4) Watches. WFO ABC initially issued a Winter Storm Watch for Zones 1 through  
10.

STZ001>010-272200-  
/NEW.KABC.WS.A.0004.010128T0500Z-010129T0000Z/  
COUNTY1-COUNTY2...  
INCLUDING THE CITIES OF...CITY1...CITY2...  
400 AM CST SAT JAN 27 2001

...WINTER STORM WATCH IN EFFECT FROM THIS EVENING TO SUNDAY  
EVENING...

AT noon, WFO ABC updated the WSW product in the following manner: Zones 7 & 8 were cancelled from the watch (segment 1); Zones 4-6 were upgraded to a Heavy Snow Warning, but new zones 11 and 12 were added (segment 2); Zones 1-3 were upgraded to a Snow Advisory (segment 3); Zones 9 & 10 the Watch was continued, but Zones 13 & 14 were added (segment 4). This example requires four segments.

Segment 1:

STZ007-008-272200-  
/CAN.KABC.WS.A.0004.010128T0500Z-010129T0000Z/  
COUNTY7-COUNTY8...  
INCLUDING THE CITIES OF...CITY7...CITY8...  
1200 PM CST SAT JAN 27 2001

...WINTER STORM WATCH HAS BEEN CANCELLED...

Segment 2:

STZ004>006-011-012-272200-  
/UPG.KABC.WS.A.0004.010128T0500Z-010129T0000Z/  
/NEW.KABC.HS.W.0003.010128T0500Z-010129T0000Z/  
COUNTY4-COUNTY5...  
INCLUDING THE CITIES OF...CITY4...CITY5...  
1200 PM CST SAT JAN 27 2001

...HEAVY SNOW WARNING IN EFFECT FROM 11 PM THIS EVENING TO 6 PM CST  
SUNDAY...

Segment 3:

STZ001>003-272200-  
/UPG.KABC.WS.A.0004.010128T0500Z-010129T0000Z/  
/NEW.KABC.SN.Y.0006.010128T0500Z-010129T0000Z/  
COUNTY1-COUNTY2...  
INCLUDING THE CITIES OF...CITY1...CITY2...  
1200 PM CST SAT JAN 27 2001

...SNOW ADVISORY IN EFFECT FROM 11 PM THIS EVENING TO 6 PM CST SUNDAY...

Segment 4:

STZ009-010-013-014-272200-  
/EXA.KABC.WS.A.0004.010128T0500Z-010129T0000Z/  
COUNTY9-COUNTY10...  
INCLUDING THE CITIES OF...CITY9...CITY10...  
1200 PM CST SAT JAN 27 2001

...WINTER STORM WATCH REMAINS IN EFFECT FROM 11 PM THIS EVENING TO 6 PM CST SUNDAY...

2. VTEC in Severe Weather Products.

2.1 Initial Severe Thunderstorm Warning Example:

WUUS54 KFWD 192344  
SVRFTW  
TXC333-200030-  
/NEW.KFWD.SV.W.0023.020319T2343Z-020320T0030Z/

BULLETIN - IMMEDIATE BROADCAST REQUESTED  
SEVERE THUNDERSTORM WARNING  
NATIONAL WEATHER SERVICE FORT WORTH TX  
543 PM CST TUE MAR 19 2002

THE NATIONAL WEATHER SERVICE IN FORT WORTH  
HAS ISSUED A

\* SEVERE THUNDERSTORM WARNING FOR...  
MILLS COUNTY IN NORTH CENTRAL TEXAS

\* UNTIL 630 PM CST

\* AT 543 PM CST...NATIONAL WEATHER SERVICE DOPPLER RADAR DETECTED A SEVERE THUNDERSTORM 15 MILES WEST OF GOLDTHWAITE...MOVING NORTHEAST AT 50 MPH. DAMAGING WINDS IN EXCESS OF 60 MPH ARE LIKELY WITH THIS STORM.

\* THE SEVERE THUNDERSTORM WILL BE NEAR...  
GOLDTHWAITE AROUND 600 PM CST

TAKE COVER IN A STURDY STRUCTURE UNTIL THE STORM PASSES. A TORNADO WATCH IS IN EFFECT FOR THE WARNING AREA. SEVERE THUNDERSTORMS CAN PRODUCE TORNADOES WITH LITTLE OR NO WARNING.

LAT...LON 3147 9905 3126 9857 3143 9831 3172 9852

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2.2 Updated Severe Thunderstorm Warning Example (SVS):

WWUS54 KFWD 192355

SVSFTW

TXC333-200030-

**/CON.KFWD.SV.W.0023.000000T0000Z-020320T0030Z/**

SEVERE WEATHER STATEMENT

NATIONAL WEATHER SERVICE FORT WORTH TX

555 PM CST TUE MAR 19 2002

...SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT FOR MILES COUNTY  
UNTIL 630 PM CST...

AT 550 PM....A SEVERE THUNDERSTORM WAS LOCATED 5 MILES WEST OF  
GOLDWAITHE. AT 548 PM...A SPOTTER MEASURED A 70 MPH WIND GUST 10 MILES  
WEST OF GOLDWAITHE. THIS STORM WILL CONTINUE MOVING NORTHEAST  
NEAR 50 MPH

LAT...LON 3147 9905 3126 9857 3143 9831 3172 9852

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2.3 Canceled Severe Thunderstorm Warning Example (SVS):

WWUS54 KFWD 200005

SVSFTW

TXC333-200030-

**/CAN.KFWD.SV.W.0023.000000T0000Z-020320T0030Z/**

SEVERE WEATHER STATEMENT

NATIONAL WEATHER SERVICE FORT WORTH TX

605 PM CST TUE MAR 19 2002

...SEVERE THUNDERSTORM WARNING FOR MILES COUNTY CANCELED...

A SEVERE THUNDERSTORM WERE LOCATED 5 MILES EAST OF GOLDWAITHE HAS  
DIMINISHED BELOW SEVERE LEVELS. THEREFORE THE SEVERE THUNDERSTORM



WARNING HAS BEEN CANCELED.

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2.4 Expired Severe Thunderstorm Warning Example (SVS):

WWUS54 KFWD 200030  
SVSFTW  
TXC333-200030-  
/EXP.KFWD.SV.W.0023.000000T0000Z-020320T0030Z/

SEVERE WEATHER STATEMENT  
NATIONAL WEATHER SERVICE FORT WORTH TX  
630 PM CST TUE MAR 19 2002

...SEVERE THUNDERSTORM WARNING FOR MILES COUNTY HAS EXPIRED...

A SEVERE THUNDERSTORM 15 MILES EAST OF GOLDWAITHE HAS DISSIPATED.  
THEREFORE THE SEVERE THUNDERSTORM WARNING FOR MILES COUNTY HAS  
BEEN ALLOWED TO EXPIRE.

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2.5 Watch County Notification Message (WCN):

**PURPOSE I: ISSUING**

WWUS64 KSHV 261715  
WCNSHV

WATCH COUNTY NOTIFICATION FOR WATCH 1002  
NATIONAL WEATHER SERVICE SHREVEPORT LA  
1215 PM CDT SAT MAY 26 2001

ARC027-057-061-073-081-091-099-133-139-LAC013-015-017-027-031-081-119-  
TXC037-063-067-183-203-315-343-365-459-270100-  
/NEW.KSHV.TO.A.1002.010526T1715Z-010527T0100Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED TORNADO WATCH 1002 UNTIL  
800 PM CDT TONIGHT FOR THE FOLLOWING COUNTIES AND PARISHES:

IN ARKANSAS:

COLUMBIA            HEMPSTEAD            HOWARD

LAFAYETTE  
NEVADA

LITTLE RIVER  
SEVIER

MILLER  
UNION

IN LOUISIANA:

BIENVILLE  
CLAIBORNE  
WEBSTER

BOSSIER  
DE SOTO

CADDO  
RED RIVER

IN TEXAS:

BOWIE  
GREGG  
MORRIS

CAMP  
HARRISON  
PANOLA

CASS  
MARION  
UPSHUR

THIS INCLUDES THE CITIES OF...SHREVEPORT...TEXARKANA...AND EL DORADO.

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A TORNADO WATCH MEANS SEVERE THUNDERSTORMS AND TORNADOES ARE POSSIBLE IN AND NEAR THE WATCH AREA. LISTEN TO NOAA WEATHER RADIO... COMMERCIAL RADIO OR TELEVISION FOR FURTHER INFORMATION.

WWUS65 KPSR 282005  
WCNPSR

WATCH COUNTY NOTIFICATION FOR WATCH 1530  
NATIONAL WEATHER SERVICE PHOENIX AZ  
105 PM MST (1205 PM PST) MON OCT 28 2002

AZC012-027-CAC025-065-290400-  
/NEW.KPSR.SV.A.1530.021028T2005Z-021029T0400Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM WATCH 1530 UNTIL 900 PM MST (800 PM PST) TONIGHT FOR THE FOLLOWING COUNTIES:

IN ARIZONA:

LAPAZ

YUMA

IN CALIFORNIA:

IMPERIAL

RIVERSIDE

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WWUS65 KVEF 282005  
WCNVEF

WATCH COUNTY NOTIFICATION FOR WATCH 1530  
NATIONAL WEATHER SERVICE LAS VEGAS NV  
1205 PM PST (105 PM MST) MON OCT 28 2002

AZC015-CAC071-NV003-290400-  
/NEW.KVEF.SV.A.1530.021028T2005Z-021029T0400Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM  
WATCH 1530 UNTIL 900 PM MST (800 PM PST) TONIGHT FOR THE FOLLOWING  
COUNTIES:

IN ARIZONA:

MOHAVE

IN CALIFORNIA:

SAN BERNARDINO

IN NEVADA:

CLARK

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## **PURPOSE II: CANCELING**

WWUS64 KSHV 270005  
WCNSHV

WATCH COUNTY NOTIFICATION FOR WATCH 1002  
NATIONAL WEATHER SERVICE SHREVEPORT LA  
700 PM CDT SUN MAY 26 2001

ARC027-057-073-091-099-139-LAC013-015-017-027-031-081-119-TXC037-063-067-183-  
203- 315-343-365-459-270100-  
/CAN.KSHV.TO.A.1002.000000T0000Z-010527T0100Z/

THE NATIONAL WEATHER SERVICE IN SHREVEPORT HAS CANCELED THE  
FOLLOWING COUNTIES AND PARISHES REMAINING IN TORNADO WATCH 1002. NO

COUNTIES REMAIN IN THE WATCH.

IN ARKANSAS:

COLUMBIA	HEMPSTEAD	LAFAYETTE
MILLER	NEVADA	UNION

IN LOUISIANA:

BIENVILLE	BOSSIER	CADDO
CLAIBORNE	DE SOTO	RED RIVER
WEBSTER		

IN TEXAS:

BOWIE	CAMP	CASS
GREGG	HARRISON	MARION
MORRIS	PANOLA	UPSHUR

THIS INCLUDES THE CITIES OF...SHREVEPORT...TEXARKANA...AND EL DORADO.

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WWUS65 KPSR 282245  
WCNPSR

WATCH COUNTY NOTIFICATION FOR WATCH 1530  
NATIONAL WEATHER SERVICE PHOENIX AZ  
345 PM MST (245 PM PST) MON OCT 28 2002

CAC065-290400-  
/CAN.KPSR.SV.A.1530.000000T0000Z-021029T0400Z/

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS CANCELED A PORTION OF  
SEVERE THUNDERSTORM WATCH 1530. COUNTIES CANCELED FROM THE SEVERE  
THUNDERSTORM WATCH INCLUDE:

IN CALIFORNIA:

RIVERSIDE

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AZC012-027-CAC025-290400-  
/CON.KPSR.SV.A.1530.000000T0000Z-020527T0400Z/

SEVERE THUNDERSTORM WATCH 1530 REMAINS VALID UNTIL 900 PM MST (800 PM PST) FOR THE FOLLOWING COUNTIES:

IN ARIZONA:

LA PAZ                      YUMA

IN CALIFORNIA:

IMPERIAL

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WWUS65 KVEF 282250  
WCNVEF

WATCH COUNTY NOTIFICATION FOR WATCH 1530  
NATIONAL WEATHER SERVICE LAS VEGAS NV  
245 PM PST (345 PM MST) MON OCT 28 2002

CAC071-NVC003-290400-  
/CAN.KVEF.SV.A.1530.000000T0000Z-021029T0400Z/

THE NATIONAL WEATHER SERVICE IN LAS VEGAS HAS CANCELED A PORTION OF SEVERE THUNDERSTORM WATCH 1530. COUNTIES CANCELED FROM THE SEVERE THUNDERSTORM WATCH INCLUDE:

IN ARIZONA:

MOHAVE

IN CALIFORNIA:

SAN BERNARDINO

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**PURPOSE III: MULTIPLE WATCHES IN EFFECT IN - ONE WATCH IN EFFECT WITH ANOTHER WATCH BEING ISSUED**

Note: Options are to either provide just the counties for the new watch or simultaneously introduce the new watch while clearing parts of the existing watch and listing counties remaining effect.

WWUS64 KSHV 262230

WCNSHV

WATCH COUNTY NOTIFICATION FOR WATCHES 1002 AND 1003  
NATIONAL WEATHER SERVICE SHREVEPORT LA  
530 PM CDT SAT MAY 26 2001

LAC020-021-049-069-073-085-127-270200-  
/NEW.KSHV.SV.A.1003.010526T2230Z-010527T0200Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM  
WATCH 1003 IN EFFECT UNTIL 900 PM CDT FOR THE FOLLOWING COUNTIES AND  
PARISHES:

IN LOUISIANA:

GRANT	CALDWELL	JACKSON
NATCHITOCHES	SABINE	WINN
OUACHITA		

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ARC061-081-133-270100-  
/CAN.KSHV.SV.A.1002.000000T0000Z-010527T0100Z/

THE NATIONAL WEATHER SERVICE IN SHREVEPORT HAS CANCELED A PORTION  
OF SEVERE THUNDERSTORM WATCH 1002. COUNTIES CANCELED FROM THE  
WATCH INCLUDE:

IN ARKANSAS:

HOWARD	LITTLE RIVER	SEVIER
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ARC027-057-073-091-099-139-LAC013-015-017-027-031-081-119-TXC037-063-  
067-183-203-315-343-365-459-270100-  
/CON.KSHV.SV.A.1002.000000T0000Z-010527T0100Z/

SEVERE THUNDERSTORM WATCH 1002 REMAINS IN EFFECT UNTIL 800 PM CDT  
FOR THE FOLLOWING COUNTIES AND PARISHES:

IN ARKANSAS:

COLUMBIA	HEMPSTEAD	LAFAYETTE
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MILLER                      NEVADA                      UNION

IN LOUISIANA:

BIENVILLE                      BOSSIER                      CADDO  
CLAIBORNE                      DE SOTO                      RED RIVER  
WEBSTER

IN TEXAS:

BOWIE                      CAMP                      CASS  
GREGG                      HARRISON                      MARION  
MORRIS                      PANOLA                      UPSHUR

THIS INCLUDES THE CITIES OF...SHREVEPORT...TEXARKANA...AND EL DORADO.

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**PURPOSE IV: MULTIPLE WATCHES IN EFFECT - TWO WATCHES ARE REPLACED WITH A THIRD WATCH**

Note: The product needs to clear existing watches and issue the replacement watch. Often, the third watch will cover areas not in the first two watches.

WWUS64 KSHV 262230  
WCNSHV

WATCH COUNTY NOTIFICATION FOR WATCHES 1002...1003...AND 1004  
NATIONAL WEATHER SERVICE SHREVEPORT LA  
530 PM CDT SUN MAY 26 2001

LAC021-043-049-069-085-127-270300-  
/NEW.KSHV.SV.A.1004.010526T2330Z-010527T0300Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED A SEVERE THUNDERSTORM  
WATCH 1004 IN EFFECT UNTIL 1000 PM CDT FOR THE FOLLOWING COUNTIES AND  
PARISHES:

IN LOUISIANA:

GRANT                      CALDWELL                      JACKSON  
NATCHITOCHES                      SABINE                      WINN

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ARC139-LAC027-061-270300-  
/CAN.KSHV.SV.A.1002.0000000T0000Z-010527T0100Z/  
/NEW.KSHV.SV.A.1004.010526T2230Z-010527T0300Z/

THE NATIONAL WEATHER SERVICE IN SHREVEPORT HAS CANCELED SEVERE THUNDERSTORM WATCH 1002 AND ISSUED SEVERE THUNDERSTORM WATCH 1004. COUNTIES CANCELED FROM WATCH 1002 AND NOW IN WATCH 1004 UNTIL 1000 PM CDT TONIGHT INCLUDE:

IN ARKANSAS:

UNION

IN LOUISIANA:

LINCOLN                      CLAIBORNE  
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LAC013-031-081-270300-  
/CAN.KSHV.SV.A.1003.0000000T0000Z-010527T0200Z/  
/NEW.KSHV.SV.A.1004.010526T2230Z-010527T0300Z/

THE NATIONAL WEATHER SERVICE IN SHREVEPORT HAS CANCELED SEVERE THUNDERSTORM WATCH 1003 AND ISSUED SEVERE THUNDERSTORM WATCH 1004. COUNTIES AND PARISHES CLEARED FROM WATCH 1003 AND NOW IN WATCH 1004 UNTIL 10 PM CDT INCLUDE:

IN LOUISIANA:

BIENVILLE                      DE SOTO                      RED RIVER  
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LAC015-017-119-270100-  
/CAN.KSHV.SV.A.1002.0000000T0000Z-010527T0100Z/

THE FOLLOWING COUNTIES/PARISHES HAVE BEEN CANCELED FROM SEVERE THUNDERSTORM WATCH 1002:

IN LOUISIANA:

CADDO                      BOSSIER                      WEBSTER  
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TXC203-365-419-270100-  
/CAN.KSHV.SV.A.1003.000000T0000Z-010527T0200Z/

THE FOLLOWING COUNTIES HAVE BEEN CANCELED FROM SEVERE  
THUNDERSTORM WATCH 1003:

IN TEXAS:

SHELBY                HARRISON                PANOLA

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## APPENDIX B - Examples of VTEC in Hydrologic Products

1. Flood Watch (FFA). An example of a Flood Watch using P-VTEC and H-VTEC.

WGUS43 KICT 231010

FFAICT

KSZ032>040-066>068-090>093-095-231600-

/NEW.KICT.FL.A.0088.000323T1010Z-000324T1000Z/

/O.ER.000000T0000Z.000000T0000Z.000000T0000Z.O/

URGENT - IMMEDIATE BROADCAST REQUESTED

FLOOD WATCH

NATIONAL WEATHER SERVICE WICHITA KS

410 AM CST THU MAR 23 2000

THE NATIONAL WEATHER SERVICE IN WICHITA HAS ISSUED A FLOOD WATCH FOR THE FOLLOWING COUNTIES UNTIL 4 AM CST FRIDAY.

IN CENTRAL KANSAS...

ELLSWORTH	LINCOLN	MARION
MCPHERSON	BARTON	RICE
RUSSELL	SALINE	CHASE

SOUTH CENTRAL KANSAS...

COWLEY	HARPER	HARVEY
KINGMAN	BUTLER	RENO
SEDGWICK	SUMNER	

A STRONG STORM SYSTEM WILL MOVE NORTHEAST ACROSS KANSAS AND OKLAHOMA LATER TODAY AND TONIGHT. SATURATED SOILS CURRENTLY PERSIST...ESPECIALLY ACROSS THE SALINE RIVER BASIN WHERE WIDESPREAD SHOWERS AND THUNDERSTORMS ARE EXPECTED. ADDITIONAL MOISTURE WILL CONTINUE TO BE DRAWN NORTHWARD INTO THE ENTIRE WATCH AREA AS THE STORM SYSTEM APPROACHES. AS A RESULT...AREAS OF HEAVY RAIN CAN BE EXPECTED THROUGH TONIGHT.

A FLOOD WATCH MEANS FLOODING IS POSSIBLE BUT NOT IMMINENT IN THE WATCH AREA. PERSONS IN CENTRAL AND SOUTHERN KANSAS SHOULD BE AWARE OF THE POSSIBILITY FOR HEAVY RAINFALL...AVOID LOW LYING AREAS AND BE CAREFUL NEAR RISING CREEKS AND RIVERS.

BE PREPARED TO SEEK HIGHER GROUND IN THE EVENT A WARNING IS ISSUED FOR YOUR AREA TODAY OR TONIGHT.

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2. Flash Flood Warning (FFW). An example of a Flash Flood Warning using P-VTEC and H-VTEC.

WGUS51 KOKX 141656

FFWOKX

NYC103-141800-

**/NEW.KOKX.FF.W.0101.000814T1655Z-000814T1800Z/  
/0.ER.000000T0000Z.000000T0000Z.000000T0000Z.0/**

BULLETIN - EAS ACTIVATION REQUESTED  
FLASH FLOOD WARNING  
NATIONAL WEATHER SERVICE NEW YORK NY  
1255 PM EDT MON AUG 14 2000

THE NATIONAL WEATHER SERVICE IN UPTON NY HAS ISSUED A

- \* FLASH FLOOD WARNING FOR  
SOUTHWEST SUFFOLK COUNTY IN SOUTHEASTERN NEW YORK STATE
- \* UNTIL 200 PM EDT
- \* AT 1254 PM NATIONAL WEATHER SERVICE DOPPLER RADAR INDICATED  
THUNDERSTORMS MOVING NORTHWEST TOWARD THE WARNED AREA. RAINFALL  
RATES FROM 2 TO 3 INCHES PER HOUR WILL CAUSE FLASH FLOODING OF  
LOW LYING AND POOR DRAINAGE AREAS.

DO NOT DRIVE YOUR VEHICLE INTO AREAS WHERE THE WATER COVERS THE  
ROADWAY. VEHICLES CAUGHT IN RISING WATER SHOULD BE ABANDONED.  
MOVE TO HIGHER GROUND IMMEDIATELY.

REPORT SEVERE WEATHER TO THE NEAREST LAW ENFORCEMENT AGENCY. THEY  
WILL RELAY YOUR REPORT TO THE NATIONAL WEATHER SERVICE FORECAST  
OFFICE IN UPTON.

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3. Flash Flood Statement (FFS). An example of a Flash Flood Statement using P-VTEC and H-VTEC.

WGUS72 KILM 302300-  
FFSILM  
NCC019-129-302330-  
**/EXP.KILM.FF.W.0004.000000T0000Z-010830T2330Z/  
/O.ER.000000T0000Z.000000T0000Z.000000T0000Z.0/**

FLASH FLOOD STATEMENT  
NATIONAL WEATHER SERVICE WILMINGTON NC  
700 PM EDT THU AUG 30 2001

...THE FLASH FLOOD WARNING HAS EXPIRED FOR NEW HANOVER AND  
BRUNSWICK COUNTIES...

NATIONAL WEATHER SERVICE RADAR INDICATED THE HEAVIEST RAINFALL  
WAS MOVING OFF THE COAST...AND THE FLASH FLOOD THREAT NO LONGER  
EXISTED. SOME MINOR PONDING OF WATER MAY CONTINUE AS LIGHT RAIN  
CONTINUES THIS EVENING.

REMAIN CAUTIOUS WHEN DRIVING IN LOW LYING AREAS...AND REPORT ANY  
MINOR FLOODING TO THE NEAREST LAW ENFORCEMENT AGENCY. THEY WILL  
RELAY YOUR REPORT TO THE NATIONAL WEATHER SERVICE IN WILMINGTON.

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4. Areal Flood Warning (FLW). An example of an areal Flood Warning using P-VTEC and H-VTEC.

WGUS46 KOTX 061803  
FLWOTX  
WAC051-070100-  
**/NEW.KOTX.FL.W.0001.020606T1803Z-020607T0100Z/  
/O.ER.000000T0000Z.000000T0000Z.000000T0000Z.0/**

BULLETIN - IMMEDIATE BROADCAST REQUESTED  
FLOOD WARNING  
NATIONAL WEATHER SERVICE SPOKANE WA  
1102 AM PDT THU JUN 6 2002

...FLOOD WARNING HAS BEEN ISSUED FOR THE PEND OREILLE RIVER IN  
PEND OREILLE COUNTY IN NORTHEAST WASHINGTON...

ON THE PEND OREILLE RIVER BELOW ALBENI FALLS DAM...THE MOST  
RECENT READING WAS 91,800 CFS AT 10 AM THURSDAY. THE FLOOD FLOW  
IS 100000 CFS. THE OUTFLOW FROM ALBENI FALLS DAM IS FORECAST TO

REMAIN BETWEEN 90000 AND 95000 CFS THROUGH FRIDAY.

THOUGH THE RIVER IS CURRENTLY BELOW THE FLOOD FLOW...MINOR FLOODING IS BEING REPORTED ALONG THE RIVER DOWNSTREAM FROM NEWPORT TO THE CANADIAN BORDER. SEVERAL STRUCTURES ARE FLOODED AND SOME SAND BAGGING OPERATIONS ARE OCCURRING. ANY RAINFALL WILL ADD TO THE EXISTING HIGH FLOW.

BOATERS AND PERSONS WITH INTERESTS ALONG THE PEND OREILLE RIVER ARE URGED TO USE EXTREME CAUTION WHEN NEAR OR ON THE RIVER. STAY TUNED TO FURTHER DEVELOPMENTS BY LISTENING TO NOAA WEATHER RADIO OR YOUR LOCAL TV OR RADIO STATIONS.

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5. River Flood Warning (FLW). An example of a segmented River Flood Warning using P-VTEC and H-VTEC.

WGUS43 KFSD 141205  
FLWFSD

BULLETIN - IMMEDIATE BROADCAST REQUESTED  
FLOOD WARNING  
NATIONAL WEATHER SERVICE SIOUX FALLS SD  
605 AM CST FRI DEC 14 2001

THE NATIONAL WEATHER SERVICE IN SIOUX FALLS HAS ISSUED A

FLOOD WARNING FOR THE FOLLOWING RIVER LOCATIONS IN SOUTHEAST SOUTH DAKOTA AND WESTERN IOWA...

BIG SIOUX RIVER NEAR BROOKINGS  
BIG SIOUX RIVER NEAR DELL RAPIDS  
BIG SIOUX RIVER AT AKRON

AT 600 AM CST...WEATHER SERVICE DOPPLER RADAR INDICATED THAT OVER 3 INCHES OF RAIN HAD FALLEN OVER MOST BASINS NEAR THE BIG SIOUX MAINSTEM IN THE PAST 24 HOURS...AND MANY OF THE RIVERS WILL CONTINUE TO RISE AND CREST ABOVE FLOOD STAGE. THE GROUND IS SATURATED AND ONE INCH OF ADDITIONAL RAINFALL IS POSSIBLE THROUGH THIS MORNING.

STAY TUNED FOR FURTHER UPDATES BY LISTENING TO NOAA WEATHER RADIO...OR YOUR LOCAL RADIO AND TV STATIONS. CALL YOUR LOCAL LAW ENFORCEMENT AGENCY IF FLOODING IS OBSERVED IN YOUR AREA...AND THEY WILL RELAY YOUR INFORMATION TO THE NATIONAL WEATHER SERVICE IN SIOUX FALLS.

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SDC011-101-150005-

**/NEW.KFSD.FL.W.0967.011214T1205Z-011220T1200Z/  
/2.ER.011216T1600Z.011218T1600Z.011219T1900Z.NO/**

FOR THE BIG SIOUX RIVER NEAR BROOKINGS

- \* MODERATE FLOODING IS EXPECTED
- \* FLOOD STAGE IS 9.0 FEET
- \* THE LATEST STAGE WAS 3.1 AT 3 AM CST FRIDAY
- \* THE RIVER WILL REACH FLOOD STAGE AROUND 10 AM CST SUNDAY
- \* THE FORECAST CREST IS 12.5 FEET AT ABOUT 10 AM CST TUESDAY
- \* THE RIVER WILL FALL BELOW FLOOD STAGE AT ABOUT 1 PM CST WEDNESDAY
- \* AT STAGES NEAR 11.7 FEET...THE COUNTY ROAD SOUTH OF THE RIVER GAGE BEGINS TO FLOOD.

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SDC099-150005-

**/NEW.KFSD.FL.W.0967.011214T1205Z-011220T1200Z/  
/3.ER.011217T0400Z.011218T1700Z.011220T0200Z.NO/**

FOR THE BIG SIOUX RIVER NEAR DELL RAPIDS

- \* MAJOR FLOODING IS EXPECTED
- \* FLOOD STAGE IS 12.0 FEET
- \* THE LATEST STAGE WAS 4.9 FEET AT 5 AM CST FRIDAY
- \* THE RIVER WILL REACH FLOOD STAGE AROUND 10 PM CST SUNDAY
- \* THE FORECAST CREST IS 17.5 FEET AT ABOUT 11 AM CST TUESDAY
- \* THE RIVER WILL FALL BELOW FLOOD STAGE AT ABOUT 8 PM CST WEDNESDAY
- \* AT STAGES NEAR 16.0 FEET...THE WATER REACHES THE BOTTOM OF THE BRIDGE WEST OF BALTIC.
- \* AT STAGES NEAR 17.0 FEET...THE PAVED ROAD EAST OF THE GAGING LOCATION IS FLOODED ALONG WITH SEVERAL OTHER COUNTY ROADS AND FIELDS.

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IAC149-SDC127-150005-

**/NEW.KFSD.FL.W.0967.011214T1205Z-011220T1200Z/  
/2.ER.011217T0400Z.011218T1900Z.011220T1200Z.NO/**

FOR THE BIG SIOUX RIVER AT AKRON

- \* MODERATE FLOODING IS EXPECTED
- \* FLOOD STAGE IS 16.0 FEET
- \* THE LATEST STAGE WAS 8.3 FEET AT 5 AM CST FRIDAY
- \* THE RIVER WILL REACH FLOOD STAGE AROUND 10 PM CST SUNDAY

\* THE FORECAST CREST IS 21.5 FEET AT ABOUT 1 PM CST TUESDAY  
\* THE RIVER WILL FALL BELOW FLOOD STAGE AT ABOUT 6 AM CST  
THURSDAY  
\* AT STAGES NEAR 22.0 FEET...HIGHWAY 48 BEGINS TO FLOOD WHERE THE  
RAILROAD TRACKS CROSS.

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6. Areal Flood Statement (FLS). An example of a an areal Flood Statement using P-VTEC and H-VTEC.

WGUS43 KJKL 241425  
FLSJJKL  
KYZ068-069-241500-  
**/CAN.KJKL.FL.W.0421.000000T0000Z-000824T1500Z/  
/0.ER.000000T0000Z.000000T0000Z.000000T0000Z.0/**

FLOOD STATEMENT  
NATIONAL WEATHER SERVICE JACKSON KY  
1024 AM EDT THU AUG 24 2000

...THE FLOOD WARNING THAT WAS IN EFFECT FOR CLAY AND JACKSON  
COUNTIES UNTIL NOON EDT HAS BEEN CANCELED...

RADAR INDICATES THAT THE HEAVY RAIN PRODUCING THUNDERSTORMS  
EARLIER THIS MORNING IN CLAY AND JACKSON COUNTIES HAVE WEAKENED  
AND MOVE TO THE EAST OF THE AREA. THE SHERIFFS DEPARTMENT REPORTS  
THAT ROADS ONCE CLOSED BY HIGH WATER NEAR SEXTONS CREEK...BURNING  
SPRINGS AND WILD CAT KENTUCKY ARE NOW OPEN. SCATTERED LIGHT  
SHOWERS ARE STILL EXPECTED TODAY...BUT AT THIS TIME THEY ARE NOT  
EXPECTED TO PRODUCE ANY FLOODING PROBLEMS.

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7. River Flood Statement (FLS). An example of a segmented river Flood Statement using P-VTEC and H-VTEC.

RWUS42 KMLI 031536  
FLSMLI

FLOOD STATEMENT  
NATIONAL WEATHER SERVICE QUAD CITIES IA IL  
1035 AM CDT FRI MAY 03 2002

...THE FLOOD WARNINGS FOR GLADSTONE AND BURLINGTON ON THE  
MISSISSIPPI RIVER ARE NO LONGER IN EFFECT...

IAZ089-ILZ025-032130-

/CAN.KMLI.FL.W.0079.000000T0000Z-020503T1535Z/  
/1.ER.020426T2000Z.020430T1100Z.020503T1300Z.NO/

MISSISSIPPI RIVER NEAR GLADSTONE

\* 9 AM STAGE: 9.9 FT.  
\* FLOOD STAGE: 10.0 FT.  
\* CRESTED 11.19 FT AT 5 AM APRIL 30TH.  
\* FELL BELOW FLOOD STAGE AT 8 AM THIS MORNING AND WILL CONTINUE TO FALL.  
\* THIS WILL BE THE LAST STATEMENT FOR THIS LOCATION FOR THIS EVENT.

IAZ099-ILZ034-032130-

/CAN.KMLI.FL.W.0079.000000T0000Z-020503T1535Z/  
/1.ER.020426T2000Z.020429T2300Z.020503T1535Z.NO/

MISSISSIPPI RIVER AT BURLINGTON

\* 9 AM STAGE: 15.0 FT.  
\* FLOOD STAGE: 15.0 FT.  
\* CRESTED 16.10 FT AT 6 PM APRIL 29TH.  
\* IS CURRENTLY FALLING BELOW THE FLOOD STAGE AND WILL CONTINUE TO FALL.  
\* THIS WILL BE THE LAST STATEMENT FOR THIS LOCATION FOR THIS EVENT.

RIVER FORECASTS INCORPORATE ONLY OBSERVED AND FORECAST 24 HOUR PRECIPITATION. YOU CAN FIND ADDITIONAL INFORMATION AT OUR WEB SITE: [WWW.CRH.NOAA.GOV/DVN/](http://WWW.CRH.NOAA.GOV/DVN/) (LOWER CASE).

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IN TABLE FORMAT...OBSERVATIONS AND OFFICIAL NWS FORECASTS...IN FEET.

LOCATION	OBSERVED				SAT	SUN	MON	SITE
	FS	STG	DAY	TIME	05/04 7 AM	05/05 7 AM	05/06 7 AM	ID
MISSISSIPPI RIVER								
GLADSTONE	10.0	9.9	FRI	9 AM	9.5	9.0	8.6	GLDI2
BURLINGTON	15.0	15.0	FRI	9 AM	14.6	14.2	13.9	BRLI4



## APPENDIX C - Examples of VTEC in Marine Products.

1. Coastal Waters Forecast (CWF). An example of VTEC lines in a Coastal Waters Forecast.

PZZ750-152230-  
/CON.KSGX.GL.W.0005.000000T0000Z-021216T0400Z/  
/ROU.KSGX.MA.F.0000.021216T0400Z-021217T2230Z/

Interpretation: A Gale Warning continues until 0400 UTC on the 16<sup>th</sup>. No watches, warnings, or advisories are in effect from 0400 UTC on the 16<sup>th</sup> to 2230 UTC on the 17<sup>th</sup> (end of Day 1-3 forecast section).

2. Offshore Waters Forecast (OFF). An example of VTEC lines in an Offshore Waters Forecast.

ANZ088-082000-  
/ROU.KWBC.MA.F.0000.030808T0730Z-030809T0100Z/  
/NEW.KWBC.HU.W.0003.030809T0100Z-030810T2000Z/

Interpretation: No warnings are in effect until 0100 UTC on the 9<sup>th</sup>.  
A Hurricane Warning was issued. It is in effect from 0100 UTC on the 9<sup>th</sup> to 2000 UTC on the 10<sup>th</sup> (end of Day 1-3 forecast section).

3. Open Lake Forecast (GLF). An example of VTEC lines in an Open Lake Forecast.

LOZ060-112000-  
/CON.KBUF.MA.W.0001.000000T0000Z-021111T2200Z/  
/ROU.KBUF.MA.F.0000.021111T2200Z-021112T1700Z/  
/NEW.KBUF.GL.W.0003.021112T1700Z-021112T2200Z/  
/NEW.KBUF.SR.W.0002.021112T2200Z-021113T0800Z/  
/ROU.KBUS.MA.F.0000.021113T0800Z-021113T2000Z/

Interpretation: A Special Marine Warning continues until 2200 UTC on the 11<sup>th</sup>. No watches, warnings, or advisories are in effect from 2200 UTC on the 11<sup>th</sup> to 1700 UTC on the 12<sup>th</sup>. A Gale Warning was issued. It is in effect from 1700 UTC on the 12<sup>th</sup> to 2200 UTC on the 12<sup>th</sup>. A Storm Warning was issued. It is in effect from 2200 UTC on the 12<sup>th</sup> to 0800 UTC on the 13<sup>th</sup>. No watches, warnings, or advisories are in effect from 0800 UTC on the 13<sup>th</sup> to 2000 UTC on the 13<sup>th</sup> (end of Day 1-3 forecast section).

4. Nearshore Forecast (NSH). An example of the VTEC line in a Nearshore Forecast.

LHZ347-348-122130-  
/ROU.KAPX.MA.F.0000.021912T1500Z-021914T1000Z/

No watches, warnings, or advisories are in effect from 15 UTC on the 12<sup>th</sup> to 1000 UTC on the 14<sup>th</sup> (end of Day 1-2 forecast section).